

Amendments to the Claims

The listing of claims below will replace all prior versions and listings of claims in the present application.

Claim Listing

- 1 1-24. (Cancelled)
- 1 25. (Currently Amended) A method comprising:
2 identifying a set of systems of a plurality of systems, wherein
3 each system in the set of systems meets a requirement for hosting a first
4 application of a plurality of applications, and
5 the plurality of systems form at least one cluster; and
6 when the set of systems is empty,
7 using a respective priority for each of the applications for identifying a resource to
8 free, wherein
9 the resource is one of a plurality of resources, and
10 each resource is associated with at least one of the plurality of systems.
- 1 26. (Currently Amended) The method of claim 25 wherein
2 the identifying the resource further comprises
3 using a respective capacity for each of the plurality of systems for identifying the
4 resource.
- 1 27. (Currently Amended) The method of claim 25 further comprising:
2 freeing the resource such that an associated system of the plurality of systems
3 meets the requirement for hosting the first application.
- 1 28. (Previously Presented) The method of claim 27 further comprising:
2 starting the first application on the associated system.

1 29. (Previously Presented) The method of claim 27 wherein
2 the freeing the resource comprises stopping a second application that is using the
3 resource, wherein the second application has a lower respective priority
4 than a respective priority of the first application.

1 30. (Currently Amended) The method of claim 27 wherein
2 the freeing the resource comprises moving a second application that is using the
3 resource to a second system of the plurality of systems, wherein
4 the second application has a lower respective priority than a respective priority of
5 the first application.

1 31. (Previously Presented) The method of claim 25 further comprising:
2 determining that the first application is to be started.

1 32. (Previously Presented) The method of claim 31 wherein
2 the determining that the first application is to be started comprises
3 detecting that the first application failed.

1 33. (Currently Amended) The method of claim 31 wherein
2 the determining that the first application is to be started comprises
3 comparing a respective priority of the first application with each of a set of
4 respective priorities for a set of the applications running on the plurality of
5 systems, and
6 determining that the first application is to be started when the respective priority
7 of the first application is higher than one of the set of respective priorities
8 for the set of applications running on the plurality of systems.

1 34. (Previously Presented) The method of claim 25 wherein
2 the identifying the set of systems comprises
3 including a selected system in the set of systems when the selected system meets a
4 prerequisite for the first application.

1 35. (Previously Presented) The method of claim 25 wherein
2 the identifying the set of systems comprises
3 including a selected system in the set of systems when the first application does
4 not exceed a limit for the selected system.

1 36. (Currently Amended) An apparatus comprising:
2 an identifying module to identify a set of systems of a plurality of systems,
3 wherein
4 each system in the set of systems meets a requirement for hosting a first
5 application of a plurality of applications, and
6 the plurality of systems form at least one cluster; and
7 a priority module to use a respective priority for each of the applications for
8 identifying a resource to free when the set of systems is empty, wherein
9 the resource is one of a plurality of resources, and
10 each resource is associated with at least one of the plurality of systems.

1 37. (Currently Amended) The apparatus of claim 36 wherein
2 the priority module further uses a respective capacity for each of the plurality of
3 systems for identifying the resource.

1 38. (Currently Amended) The apparatus of claim 36 further comprising:
2 a freeing module to free the resource such that an associated system of the
3 plurality of systems meets the requirement for hosting the first application.

1 39. (Previously Presented) The apparatus of claim 38 further comprising:
2 a starting module to start the first application on the associated system.

1 40. (Previously Presented) The apparatus of claim 38 wherein
2 the freeing module comprises a stopping module to stop a second application that
3 is using the resource, wherein

4 the second application has a lower respective priority than a respective priority of
5 the first application.

1 41. (Currently Amended) The apparatus of claim 38 wherein
2 the freeing module comprises
3 a moving module to move a second application that is using the resource to a
4 second system of the plurality of systems, wherein
5 the second application has a lower respective priority than a respective priority of
6 the first application.

1 42. (Previously Presented) The apparatus of claim 36 further comprising:
2 a determining module to determine that the first application is to be started.

1 43. (Previously Presented) The apparatus of claim 42 wherein
2 the determining module comprises
3 a detecting module to detect that the first application failed.

1 44. (Currently Amended) The apparatus of claim 42 wherein
2 the determining module comprises
3 a comparing module to compare a respective priority of the first application with
4 each of a set of respective priorities for a set of the applications running on
5 the plurality of systems, wherein
6 the determining module determines that the first application is to be started when
7 the respective priority of the first application is higher than one of the set
8 of respective priorities for the set of applications running on the plurality
9 of systems.

1 45. (Previously Presented) The apparatus of claim 36 wherein
2 the identifying module comprises
3 an including module to include a selected system in the set of systems when the
4 selected system meets a prerequisite for the first application.

1 46. (Previously Presented) The apparatus of claim 36 wherein
2 the identifying module comprises
3 an including module to include a selected system in the set of systems when the
4 first application does not exceed a limit for the selected system.